Replacement Sheet



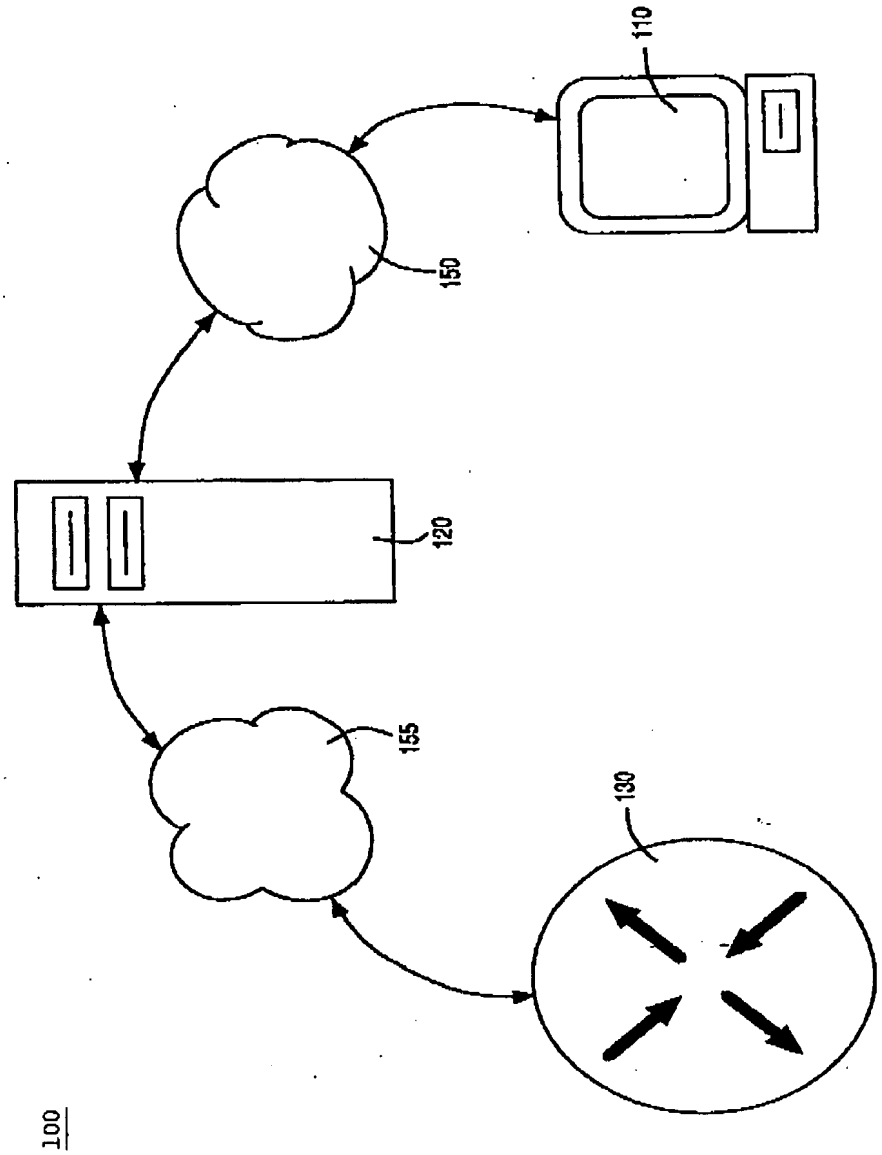



Fig. 1

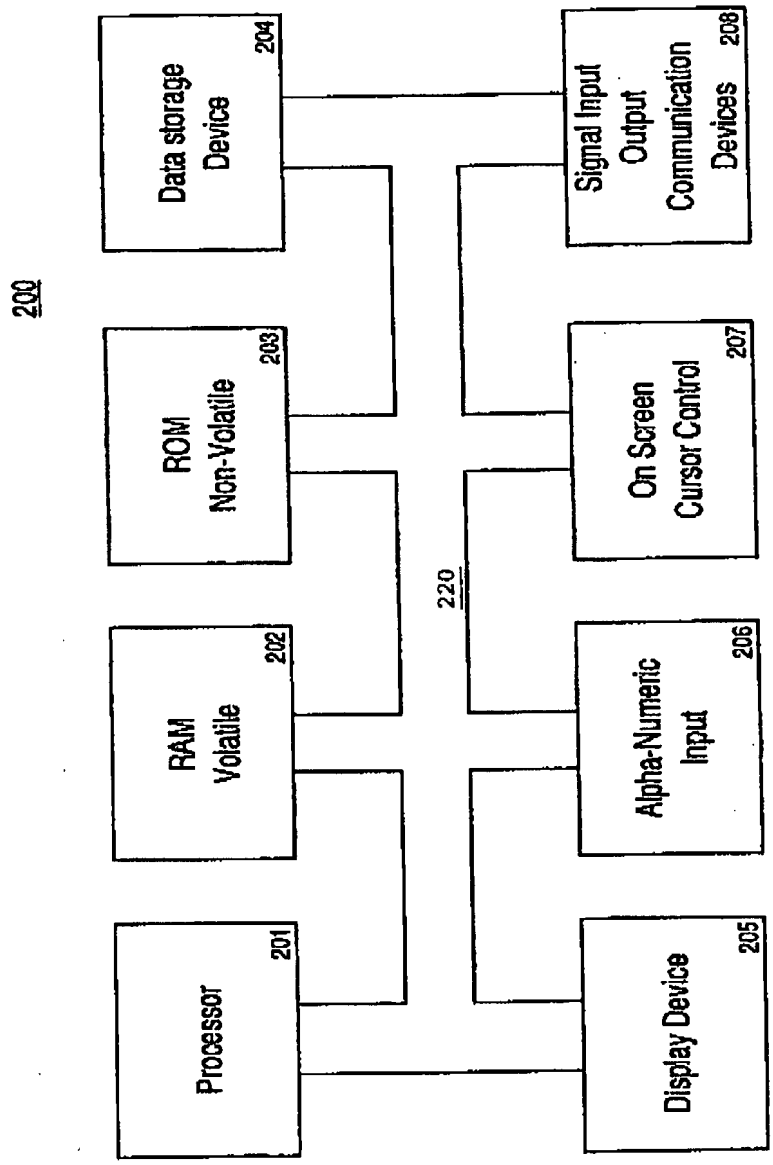
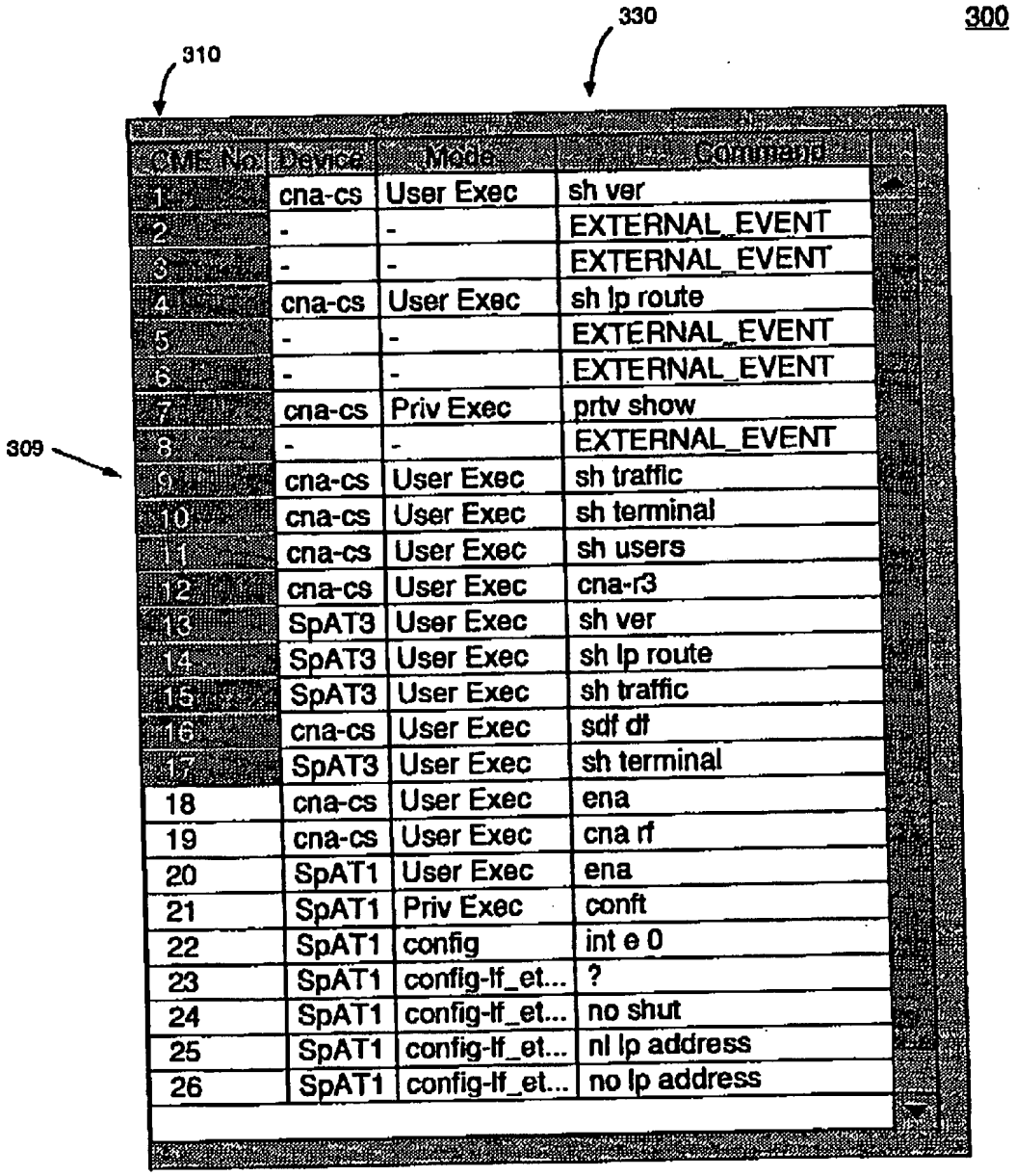
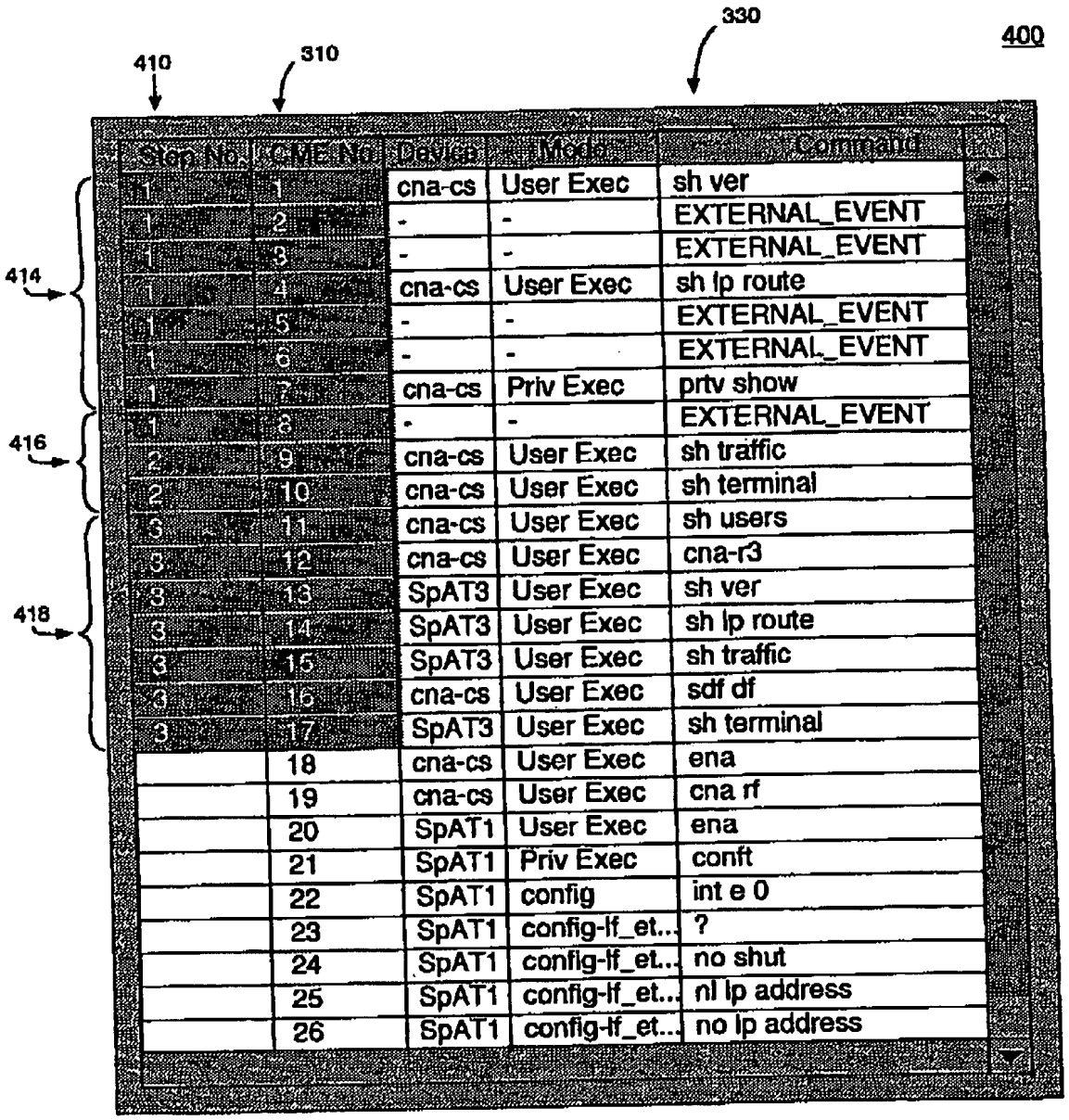

200
Data storage Device
204
Signal Input Output Communication Devices
208
ROM Non-Volatile
203
On Screen Cursor Control
207
220
RAM Volatile
202
Alpha-Numeric Input
206
Processor
201
Display Device
205

Fig. 2




| CME No | Device | Mode | Command |
|---|---|---|---|
| 1 | cna-cs | User Exec | sh ver |
| 2 | - | - | EXTERNAL_EVENT |
| 3 | - | - | EXTERNAL_EVENT |
| 4 | cna-cs | User Exec | sh ip route |
| 5 | - | - | EXTERNAL_EVENT |
| 6 | - | - | EXTERNAL_EVENT |
| 7 | cna-cs | Priv Exec | prtv show |
| 8 | - | - | EXTERNAL_EVENT |
| 9 | cna-cs | User Exec | sh traffic |
| 10 | cna-cs | User Exec | sh terminal |
| 11 | cna-cs | User Exec | sh users |
| 12 | cna-cs | User Exec | cna-r3 |
| 13 | SpAT3 | User Exec | sh ver |
| 14 | SpAT3 | User Exec | sh ip route |
| 15 | SpAT3 | User Exec | sh traffic |
| 16 | cna-cs | User Exec | sdf df |
| 17 | SpAT3 | User Exec | sh terminal |
| 18 | cna-cs | User Exec | ena |
| 19 | cna-cs | User Exec | cna rf |
| 20 | SpAT1 | User Exec | ena |
| 21 | SpAT1 | Priv Exec | conft |
| 22 | SpAT1 | config | int e 0 |
| 23 | SpAT1 | config-if_et... | ? |
| 24 | SpAT1 | config-if_et... | no shut |
| 25 | SpAT1 | config-if_et... | nl ip address |
| 26 | SpAT1 | config-if_et... | no ip address |

Fig. 3




| Step No. | CME No. | Device | Mode | Command |
|---|---|---|---|---|
| 1 | 1 | cna-cs | User Exec | sh ver |
| 1 | 2 | - | - | EXTERNAL_EVENT |
| 1 | 3 | - | - | EXTERNAL_EVENT |
| 1 | 4 | cna-cs | User Exec | sh ip route |
| 1 | 5 | - | - | EXTERNAL_EVENT |
| 1 | 6 | - | - | EXTERNAL_EVENT |
| 1 | 7 | cna-cs | Priv Exec | prtv show |
| 1 | 8 | - | - | EXTERNAL_EVENT |
| 2 | 9 | cna-cs | User Exec | sh traffic |
| 2 | 10 | cna-cs | User Exec | sh terminal |
| 3 | 11 | cna-cs | User Exec | sh users |
| 3 | 12 | cna-cs | User Exec | cna-r3 |
| 3 | 13 | SpAT3 | User Exec | sh ver |
| 3 | 14 | SpAT3 | User Exec | sh ip route |
| 3 | 15 | SpAT3 | User Exec | sh traffic |
| 3 | 16 | cna-cs | User Exec | sdf df |
| 3 | 17 | SpAT3 | User Exec | sh terminal |
| | 18 | cna-cs | User Exec | ena |
| | 19 | cna-cs | User Exec | cna rf |
| | 20 | SpAT1 | User Exec | ena |
| | 21 | SpAT1 | Priv Exec | conft |
| | 22 | SpAT1 | config | int e 0 |
| | 23 | SpAT1 | config-if_et... | ? |
| | 24 | SpAT1 | config-if_et... | no shut |
| | 25 | SpAT1 | config-if_et... | nl ip address |
| | 26 | SpAT1 | config-if_et... | no ip address |

Fig. 4

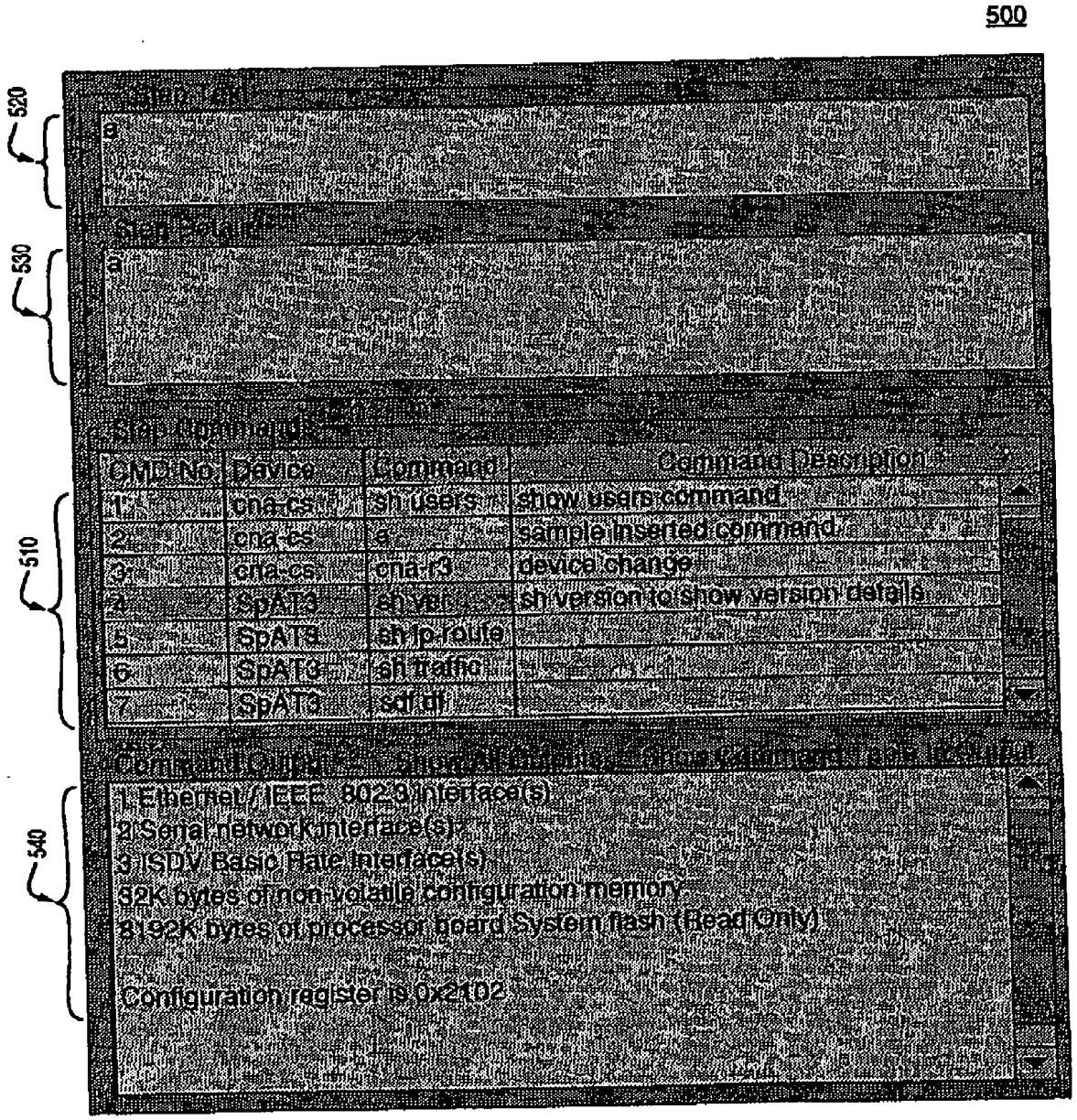

500
520
530
510
540
CMD No.
Device
Command
Command Description
1
cna-cs
sh users
show users command
2
cna-cs
s
sample inserted command
3
cna-cs
cna r3
device change
4
SpAT3
sh ver
sh version to show version details
5
SpAT3
sh ip route
6
SpAT3
sh traffic
7
SpAT3
sdr rtl
1 Ethernet/IEEE 802.3 interface(s)
2 Serial network interface(s)
3 ISDN Basic Rate Interface(s)
32K bytes of non-volatile configuration memory.
8192K bytes of processor board System flash (Read Only)
Configuration register is 0x2102

Fig. 5

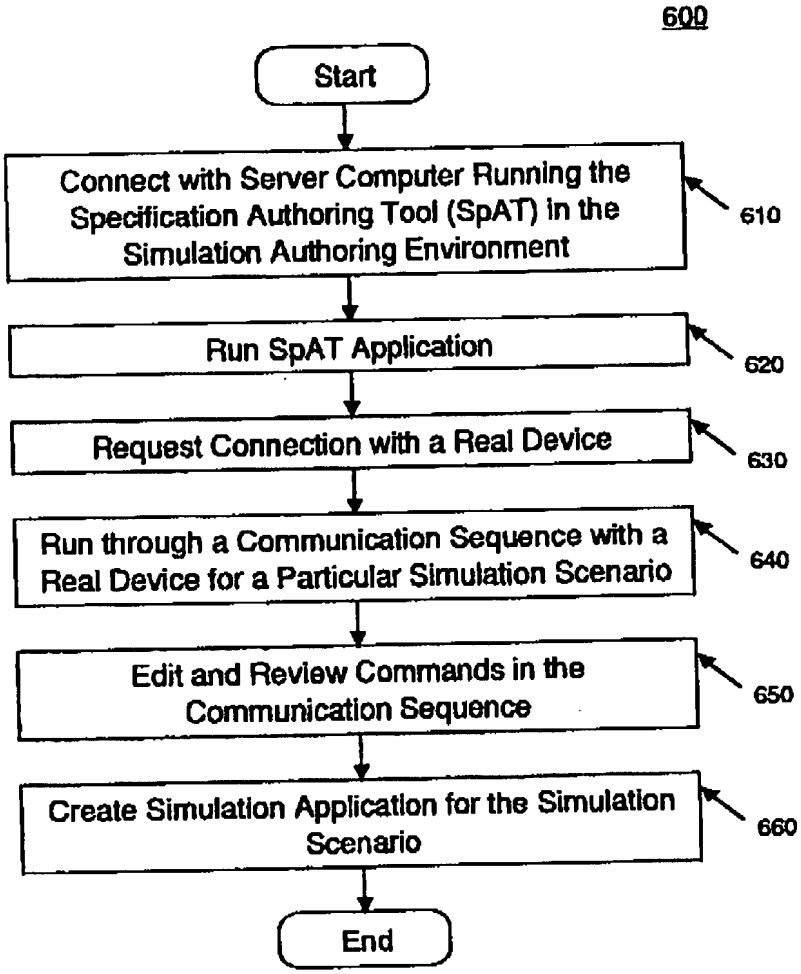

600
Start
Connect with Server Computer Running the Specification Authoring Tool (SpAT) in the Simulation Authoring Environment
610
Run SpAT Application
620
Request Connection with a Real Device
630
Run through a Communication Sequence with a Real Device for a Particular Simulation Scenario
640
Edit and Review Commands in the Communication Sequence
650
Create Simulation Application for the Simulation Scenario
660
End

Fig. 6

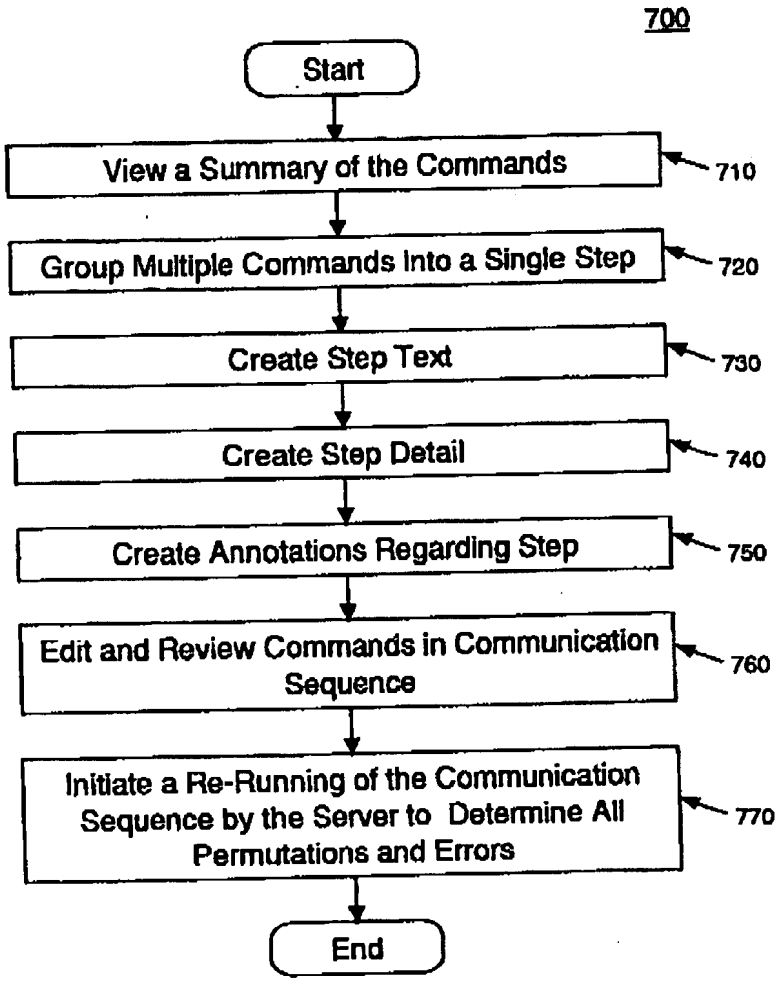

700
Start
View a Summary of the Commands
710
Group Multiple Commands Into a Single Step
720
Create Step Text
730
Create Step Detail
740
Create Annotations Regarding Step
750
Edit and Review Commands in Communication Sequence
760
Initiate a Re-Running of the Communication Sequence by the Server to Determine All Permutations and Errors
770
End

Fig. 7

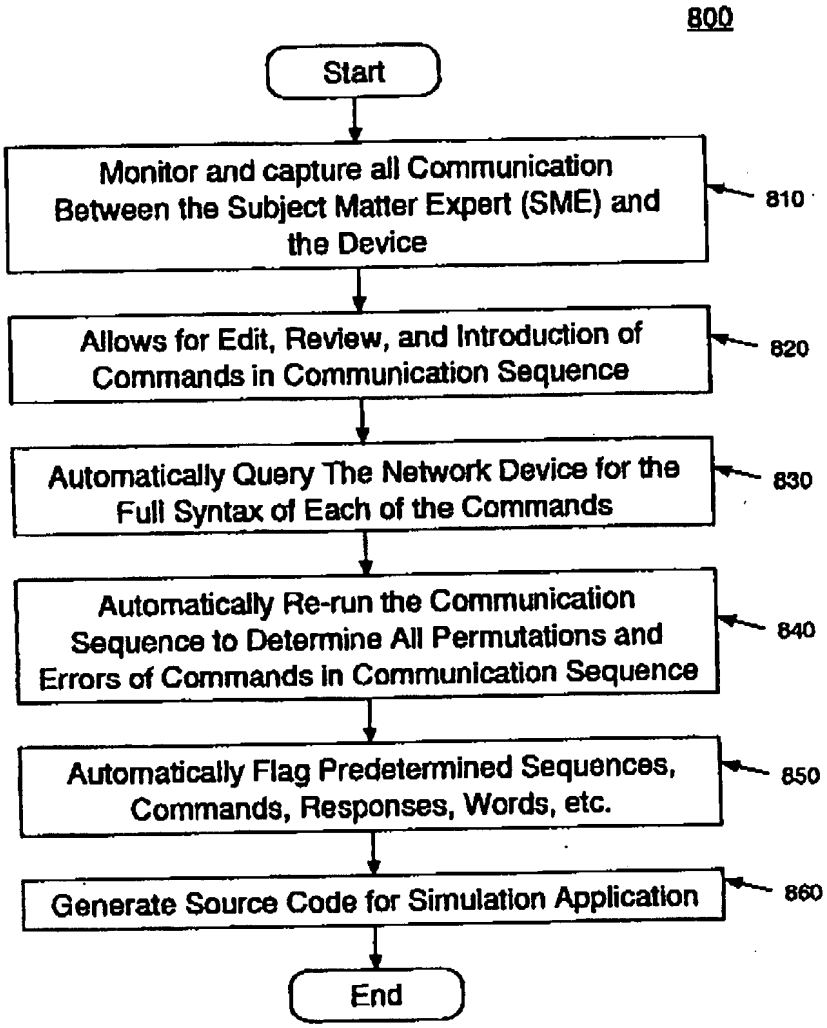

800
Start
Monitor and capture all Communication Between the Subject Matter Expert (SME) and the Device
810
Allows for Edit, Review, and Introduction of Commands in Communication Sequence
820
Automatically Query The Network Device for the Full Syntax of Each of the Commands
830
Automatically Re-run the Communication Sequence to Determine All Permutations and Errors of Commands in Communication Sequence
840
Automatically Flag Predetermined Sequences, Commands, Responses, Words, etc.
850
Generate Source Code for Simulation Application
860
End

Fig. 8